

Stereo Radio Cassette Recorder

MODEL NO. **RX-SR29**

Operating Instructions



Panasonic®

Read these instructions completely before operating this unit.



Thank you for purchasing this unit.
For optimum performance follow these operating instructions carefully.

WARNING:

**TO PREVENT FIRE OR SHOCK
HAZARD, DO NOT EXPOSE THIS
PRODUCT TO RAIN OR MOISTURE.**

The serial number of this product may be found on the label affixed to the inside of the Battery Compartment. You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid in identification in the event of theft.

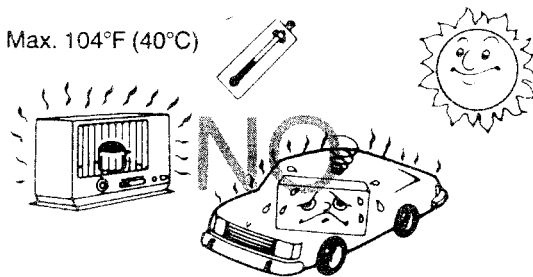
MODEL NUMBER: RX-SR29

SERIAL NUMBER: _____

PRECAUTIONS

- If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.
- Do not mix batteries (old and new) or types (carbon and alkaline).
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- When not in use, disconnect the AC adaptor from the AC power outlet.

Max. 104°F (40°C)



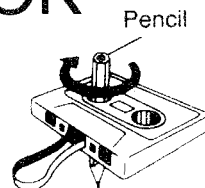
Precautions for Listening with the Headphones

- Do not play your headset at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

CASSETTE TAPES

Use only good-quality tapes up to the length of C-90. Do not use C-120 tapes with this unit because these tapes can easily become broken or stretched if not used with extreme care and may get tangled with the Capstan and Pressure roller.

OK



NO



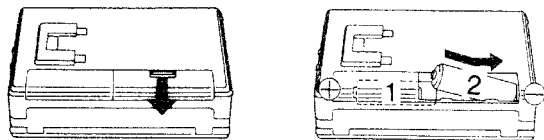
Notes:

- Use normal types of cassette tapes only. If other tapes are used, you may not obtain optimum performance.
- Cassettes, both recorded and unrecorded, should not be stored in locations with high temperature, high humidity or direct sunlight. Never place a recorded cassette near a magnetic source, such as a magnet or a TV set as this may affect tape performance.

POWER SOURCE

■ Battery Operation

1. Open the Battery Compartment cover as shown in the figure.
2. Insert 2 "AA" size (Panasonic UM-3 or equivalent) batteries into the Battery Compartment, making sure that the batteries are installed in the specified numerical order and that the proper polarities are maintained.



3. Replace the compartment cover.

●Battery removal

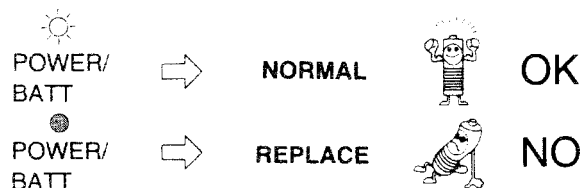
Press battery "2" toward the $\ominus$ battery terminal and remove it.

Notes:

- Batteries installed with incorrect polarities may leak and damage this unit.
- Do not mix batteries (old and new) or types (carbon and alkaline).

●Battery Life

Battery condition can be checked by the Power/Battery Check Indicator.

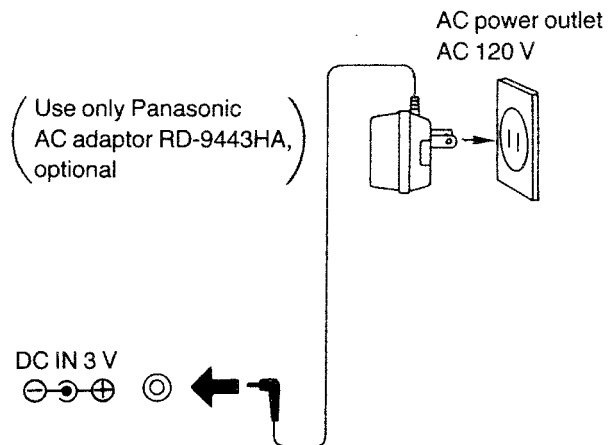


Note:

If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.

■ AC Power Operation

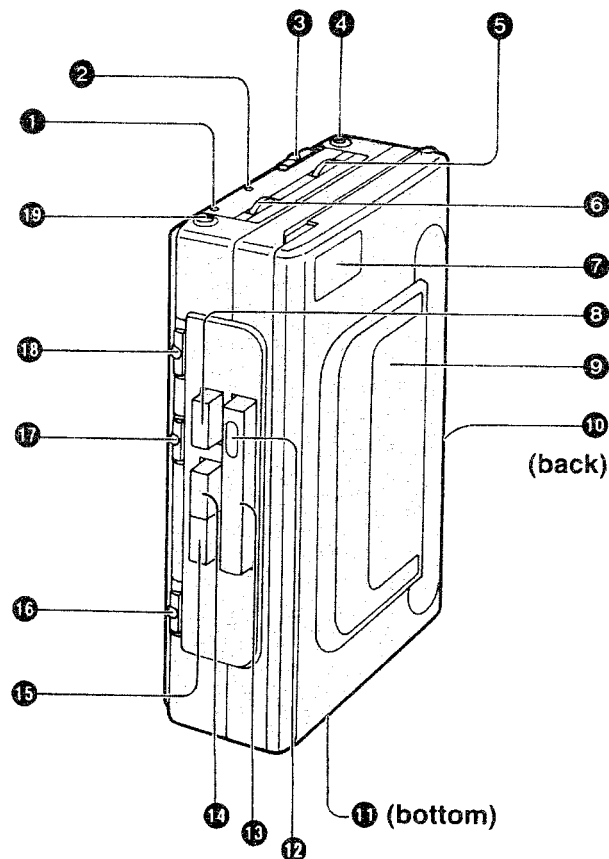
1. Insert the plug, at the end of the AC adaptor cord, into the DC Input Jack.
2. Plug the AC adaptor unit into your household AC power outlet.



Note:

To operate on battery power, unplug the AC adaptor unit from the household AC power outlet and the DC Input Jack on the unit.

LOCATION OF CONTROLS



- ① Power/Battery Check Indicator (POWER/BATT)
- ② FM Stereo Indicator (FM ST)
- ③ Band/FM Sensitivity Selector (BAND/FM SENS)
- ④ Headphones Jack (○)
- ⑤ Tuning Control (TUNING)
- ⑥ Volume Control (VOLUME)
- ⑦ Built-in Microphone (MIC)
- ⑧ Stop Button (■ STOP)
- ⑨ Cassette Compartment
- ⑩ Battery Compartment
- ⑪ DC Input Jack (DC IN 3 V ⊖ ⊕)
- ⑫ Record Button (● REC)
- ⑬ Playback Button (▼ PLAY)
- ⑭ Rewind/Review Button (▲ REW/REV)
- ⑮ Fast Forward/Cue Button (▼ FF/CUE)
- ⑯ Beat Proof Switch (B.P)
- ⑰ Function Selector
- ⑱ Pause Switch (PAUSE)
- ⑲ Stereo Microphone Jack (ST MIC)

RADIO

1. Connect the included stereo headphones to the Headphones Jack.
2. Set the Function Selector to "RADIO".
 - The Power/Battery Check Indicator will light.
3. Set the Band Selector to the desired radio band, "FM" or "AM".
4. Tune in your favorite station using the Tuning Control.
 - The FM Stereo Indicator will light during stereo broadcasts.
 - When you listen to a FM broadcast, set the FM Sensitivity Selector to the proper position (Refer below).
5. Adjust the Volume Control.
6. The radio can be turned off by setting the Function Selector to "TAPE/OFF".

■ FM Sensitivity Selector

The FM Sensitivity Selector is helpful for receiving FM broadcast clearly. Normally set this selector to "DX". When the FM reception is impaired or there is interference from a powerful station, set the selector to "LOCAL".

This selector does not function for AM reception.

■ Antennas

FM:

The headphones cord serves as the FM antenna, hence be sure to use it extended, not coiled.

AM:

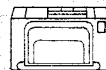
The sensitive ferrite core antenna inside the set will provide excellent AM reception in most areas. For optimum reception, turn the set in the direction which gives the best results, since the ferrite core antenna is directional.

Note:

Be sure to have the set in an upright position when you listen to AM broadcasts. If you use the radio in a horizontal position, it may not function adequately.



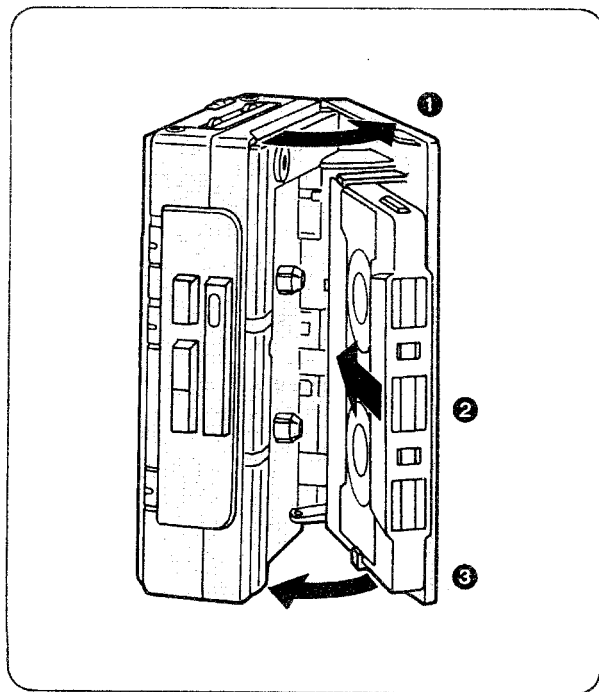
OK



NO

TAPE PLAYBACK

1. Open the Cassette Compartment cover with your hand. Insert a cassette as shown in the figure, and then close the Cassette Compartment cover.



2. Connect the included stereo headphones to the Headphones Jack.
3. Set the Function Selector to "TAPE/OFF".
4. Press the Playback Button, and playback will begin.
 - The Power/Battery Check Indicator will light.
5. Adjust the Volume Control.
6. To stop the playback, press the Stop Button.

Note:

Be sure to set the Pause Switch to "OFF" to play back the tape.

■ Auto-Stop

During playback or recording, when the tape reaches its end, the automatic stop system will release the Playback and Record Buttons and automatically turn the unit off. Note that the unit is not turned off if the Function Selector is set to "RADIO"; it must be set to "TAPE/OFF"

■ Fast Forward and Rewind

The tape will move rapidly forward when the Fast Forward Button is pressed.

The tape will rewind rapidly when the Rewind Button is pressed.

Notes:

- Do not press the Playback Button during fast forward or rewind, as this may jam the tape. Always press the Stop Button first, between functions.
- When the tape reaches the end after pressing the Fast Forward Button or the Rewind Button, the automatic stop system does not function. The tape will stop, but as the motor continues to turn, do not leave the set in this condition. Be sure to press the Stop Button.

■ "Cue" and "Review"

If the Fast Forward/Cue (or Rewind/Review) Button is partially pressed during playback, the recorded sound on the tape can be monitored at a fast speed.

When the button is released, playback will resume.

RECORDING

This unit has an Automatic Level Control system (the recording level is automatically adjusted.)

■ Recording Radio Broadcasts

1. Connect the included stereo headphones to the Headphones Jack.
2. Set the Function Selector to "RADIO" to receive radio broadcasts.
3. Insert the cassette into the Cassette Compartment.
4. Press the Record Button.
5. To stop the recording, press the Stop Button.
6. Set the Function Selector to "TAPE/[OFF]" to turn the unit off.

● Beat Proof Switch

When an AM broadcast is recorded, the Beat Proof Switch can be used to reduce unwanted "beat" signals. Set the switch to whichever position best reduces these "beat" signals. The "beat" signals normally sound like a whistle.

■ Recording through the Built-in Microphone (monaural only)

The built-in condenser microphone in this unit is omnidirectional (all directions), so that recordings can be made from any direction.

1. Set the Function Selector to "TAPE/☐OFF".
2. Follow the procedure described in steps 3~5 of "Recording Radio Broadcasts"

■ Recording through an External Stereo Microphone

1. Connect the external stereo microphone to the Stereo Microphone Jack. The Built-in Microphone will be automatically disconnected.
2. Set the Function Selector to "TAPE/☐OFF".
3. Follow the procedure described in steps 3~5 of "Recording Radio Broadcasts".

■ Edit Function

Recording can be started during playback by simply pressing the Record Button.

Note:

Be careful not to press the Record Button during playback, unless you intend to make a recording. Activating the Record Button will automatically erase the sounds on that portion of the tape.

■ Quick Review

To listen to the sound you have recorded, press and hold the Rewind/Review Button. This will rewind the tape. When you remove your finger, the sound you recorded will be heard.

■ Pause Switch

The Pause Switch can be used to temporarily stop the tape from moving during recording or playback. Before beginning a recording, first set the Pause Switch to "ON".

Then, press the Record Button. (The tape will not move.) When ready to record, set the Pause Switch to "OFF". This will start tape movement for immediate recording.

Note:

Do not use the Pause Switch to stop the tape for a long period of time.

The unit is not turned off when the Pause Switch is set to "ON". Always use the Stop Button to turn the unit off.

■ Monitoring

The monitor system enables you to listen, through the headphones, to the sound as it is being recorded.

If it is necessary to adjust the volume level of the sound being monitored, do so by using the Volume Control.

●When recording from the Built-in Microphone or external microphone, the sound being recorded cannot be monitored.

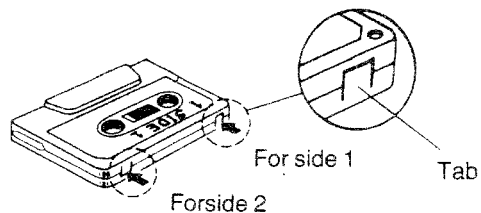
■ Erasure of Recording

When recording, previously recorded signals on the tape will be erased automatically.

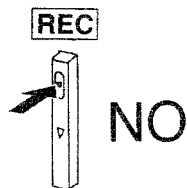
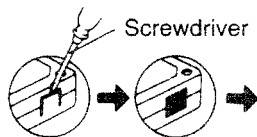
●To erase a tape without re-recording, follow the procedure below.

1. Connect the erase plug (QJP0959A, optional) to the Stereo Microphone Jack.
2. Set the Function Selector to "TAPE/OFF".
3. Press the Record Button.

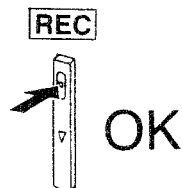
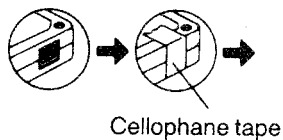
RECORD PREVENTION TABS



■ Record Prevention



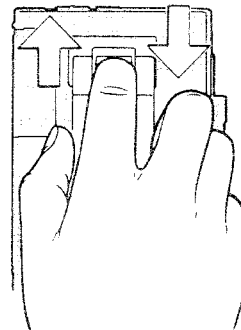
■ New Recording



BELT CLIP

•To attach the Belt Clip

Fit the Belt Clip into the Receptacle and push to slide up with the index finger.

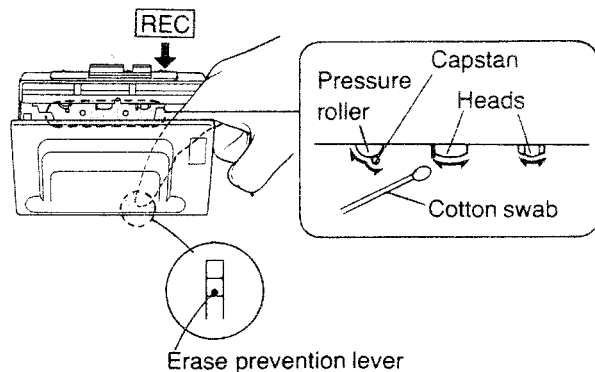


•To remove the Belt Clip

Push to slide down with the index finger.

MAINTENANCE

The head assembly, Capstan, and Pressure roller are in constant contact with the tape. If these parts are dirty, the sound quality will be impaired. Get into the habit of cleaning the parts regularly (after every 10 hours or so of use) in accordance with the procedure outlined below.



Notes:

- If the head assembly is extremely dirty, clean it with a soft cloth dampened with a little alcohol.
- The use of cleaning tapes is not recommended, as some are abrasive and may cause premature wear of the heads. Simply, clean the head assembly as described.
- Do not clean the plastic cabinet with benzine or thinner. Clean it with a cloth, dampened in a mild solution of soap and water. Avoid excessive moisture.
- Avoid spray-type insecticides. Some insecticides contain chemicals that could cause cabinet deformation.

HEAD DEMAGNETIZATION

- In order to maintain good sound quality during recording and playback, it is recommended that the head assembly be demagnetized when distortion or poor sound quality persists after cleaning the heads.
- If the head assembly becomes magnetized, it could create noise in the recordings, loss of high end frequency response or erasure of valuable recording.
- Several types of Head Demagnetizers are available and may be purchased separately at local electronics supply stores. Follow the instructions that are supplied with the device.
- Do not bring any type of metal objects or tools such as magnetic screwdrivers in contact with the head assembly.

SPECIFICATIONS

Radio Frequency

Range: FM; 88–108 MHz
AM; 525–1610 kHz

Power

Requirement: Battery; 3 V (two UM-3, "AA" size batteries)
AC; with optional Panasonic AC adaptor RD-9443HA

Frequency Range: 150–8000 Hz

Recording

System: AC bias, Magnet erase
Tape Speed: 1 $\frac{7}{8}$ ips (4.8 cm/s)
Track System: 4-track 2-channel stereo
Jacks:

Input; DC IN; 3 V (mini jack)
ST MIC

Output; HEADPHONES

Dimensions: 3 $\frac{3}{8}$ " $\times$ 4 $\frac{7}{8}$ " $\times$ 1 $\frac{1}{2}$ "

(W) $\times$ (H) $\times$ (D) (85.7 $\times$ 124 $\times$ 37.5 mm)

Weight: 7.8 oz. (220 g) without batteries

Design and Specifications are subject to change without notice.

LIMITED WARRANTY

Panasonic Company, Panasonic Hawaii, Inc. or Panasonic Sales Company (collectively referred to as "Panasonic") will repair this product with new or rebuilt parts, free of charge, in the U.S.A. or Puerto Rico from the date of original purchase in the event of a defect in materials or workmanship as follows:

Audio Components, Radios and Home Entertainment Systems—For one (1) year.

Accessories, Headphones and Cartridges—(when applicable)—For ninety (90) days.

Batteries—(when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries—For ten (10) days. Non-rechargeable batteries are not warranted.

Rechargeable Battery Packs—(when applicable)—New rechargeable battery packs in exchange for defective rechargeable battery packs for (90) days. Non-rechargeable battery packs are not warranted.

Carry-in or Mail-in service in the continental U.S.A. can be obtained during the warranty period from a Matsushita Services Company (MSC) Factory Servicenter listed in the Servicenter Directory. Or call 800-447-4700, toll free to locate an authorized MSC Servicenter. Carry-in or Mail-in service in Hawaii or Puerto Rico can be obtained during the warranty period by calling the telephone numbers listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover normal wear to the stylus (when applicable) or dealer installed cartridge or stylus. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by Panasonic or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustments, improper maintenance, alteration, improper antenna, inadequate signal pick-up, maladjustment of consumer controls, modification, or commercial use of the product, or service by anyone other than an MSC Factory Servicenter or authorized MSC Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

PANASONIC SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Division at the company address indicated on the back.

PRODUCT SERVICE

Should your Panasonic product ever require service, refer to enclosed Directory for an Authorized Servicer or consult your authorized Panasonic dealer for detailed instructions.

SERIAL NUMBER: Located on the label affixed to the inside of the Battery Compartment.

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